

05/03/01  
JC945 U.S. PTO

05-04-01

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Law Offices Of  
DEAN P. EDMUNDSON, P.C.  
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Windsor, Colorado 80550

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Date: May 3, 2001

Case Docket No.: 353-07

THE COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

Sir:

Transmitted herewith for filing is the patent application of  
Inventor: Harold R. Kaufman et al.

For: IMPROVED HALL-CURRENT ION SOURCE

Enclosed are:

- ☒ 5 sheets of drawing.
- ☐ An assignment of the invention to \_\_\_\_\_
- ☐ A certified copy of a \_\_\_\_\_ application.
- ☐ An associate power of attorney.
- ☐ A verified statement to establish small entity status under 37 CFR 1.9 and 37 CFR 1.27.

The filing fee has been calculated as shown below:

FOR:	NO. FILED	NO. EXTRA
BASIC FEE		
TOTAL CLAIMS	9 - 20 =	0
INDEP CLAIMS	8 - 3 =	5
MULTIPLE DEPENDENT CLAIM PRESENTED		

SMALL ENTITY

RATE	FEE	OR
	\$ 355	OR
X 9 =	\$	OR
X 40 =	\$	OR
\$ 135	\$	OR
TOTAL	\$	OR

OTHER THAN A  
SMALL ENTITY

RATE	FEE
	\$ 710
X 18 =	\$ 0
X 80 =	\$ 400
\$ 270	\$ 0
TOTAL	\$ 1110

A check in the amount of \$ 1,110.00 to cover the filing fee is enclosed.

Respectfully submitted,

*Dean P. Edmundson*  
Dean P. Edmundson  
Reg. No. 25,723  
Attorney for Applicant

J1046 U.S. PTO  
09/848644  
05/03/01

Please type a plus sign (+) inside this box → ☐

Approved for use through  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

0002/PTO  
Rev. 6/95

U.S. Department of Commerce  
Patent and Trademark Office

Attorney Docket Number

353-07

First Named Inventor

Kaufman

Total Pages in this Submission

51

# NEW UTILITY PATENT APPLICATION TRANSMITTAL

(to be used for new applications only)

## APPLICATION ELEMENTS

Notice: Checklist items mentioned under Application Elements section construct a new utility patent application. Please refer to MPEP Sections 506, 601, (37CFR 1.77, 1.53, 35 USC 111, 112, 113) for detailed explanation regarding completeness of an original patent application.

1. ☒ Fee Transmittal Form (prescribed filing fee(s))

2. Specification

☒ Abstract of the Disclosure

☒ Title of the Invention

☐ Cross References to Related Applications  
(if applicable)

☐ Statement Regarding Federally-sponsored  
Research/Development (if applicable)

☐ Reference to Microfiche Appendix  
(if applicable)

☒ Background of the Invention

☒ Brief Summary of the Invention

☒ Brief Description of the Drawings  
(if drawings filed)

☒ Detailed Description

☒ Claim or Claims

3. ☒ Drawing(s) (when necessary as prescribed by  
35 USC 113)

4. ☒ Executed Declaration

5. Genetic Sequence Submission  
(if applicable, all must be included)

☐ Paper Copy

☐ Computer Readable Copy

☐ Statement Verifying Identical Paper and  
Computer Readable Copy

## ACCOMPANYING APPLICATION PARTS

6. ☐ Assignment Papers

7. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)

8. ☐ Computer Program in Microfiche

9. ☐ English Translation Document (if applicable)

10. ☐ Information Disclosure Statement/PTO-1449 ☐ Copies of IDS  
Citations

11. ☐ Petition Checklist and Accompanying Petition

12. ☐ Preliminary Amendment

13. ☐ Proprietary Information

14. ☒ Return Receipt Postcard

15. ☐ Small Entity Statement

16. ☐ Additional Enclosures (please identify below):

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm  
or  
Individual name

Dean P. Edmundson

Signature

*Dean P. Edmundson*

Date

May 3, 2001

## FOR OFFICIAL USE ONLY

Application Number		Class		Independent Claims	
Date of Receipt	Application Type	GAU		Total Claims	
	Filing Date	Foreign Filing License?		Drawing Sheets	
	Small Entity	Foreign Address?		Special Handling?	

Burden Hour Statement: This form is estimated to take .2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231, and to the Office of Information and Regulatory Affairs, Office of Management and Budget (Project 0651-0032), Washington DC 20503. DO NOT SEND FEES OR

0002/PTO  
Rev. 6/95U.S. Department of Commerce  
Patent and Trademark Office

## FEE TRANSMITTAL

Complete if Known

Application Number	
Filing Date	
First Named Inventor	Kaufman
Group Art Unit	
Examiner Name	
Attorney Docket Number	353-07

TOTAL AMOUNT OF PAYMENT (\$ 1,110.00

## METHOD OF PAYMENT (check one)

1 ☐ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number

Deposit Account Name

☐ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 ☐ Charge the Issue Fee Set in 37 CFR 1.16 at the Mailing of the Notice of Allowance, 37 CFR 1.311(b)

2 ☒ Payment Enclosed:

(reserved space)

☒ Check☐ Money Order☐ Other

## FEE CALCULATION (fees effective 1/1/96)

## 1 FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
101	780	201	390	Utility filing	710
106	300	206	150	Design filing fee	
107	540	207	270	Plant filing fee	
108	700	208	390	Reissue filing fee	
SUBTOTAL (1)					(\$ 710)

## 2 CLAIMS

Total Claims  - 20 =  Extra below Fee Paid = 0

Independent Claims  - 3 =  Extra X 80 = 400

Multiple Dependent Claims  = 0

## Large Entity - Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
102	78	202	39	Independent claims in excess of 3
103	22	203	11	Claims in excess of 20
104	250	204	125	Multiple dependent claim
109	78	209	39	Reissue independent claims over original patent
110	22	210	11	Reissue claims in excess of 20 and over original patent
SUBTOTAL (2) (\$ 400)				

## 3 ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
105	130	205	65	Surcharge-late filing fee or oath	
139	130	139	130	Non-English specification	
147	2,390	147	2,390	For filing a request for reexamination	
112	870	112	870	Requesting publication of SIR prior to Examiner action	
113	1,740	113	1,740	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for response within first month	
116	380	216	190	Extension for response within second month	
117	900	217	450	Extension for response within third month	
118	1,400	218	700	Extension for response within fourth month	
119	290	219	145	Notice of Appeal	
120	290	220	145	Filing a brief in support of an appeal	
121	250	221	125	Request for oral hearing	
138	1,430	138	1,430	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive unavoidably abandoned application	
141	1,250	241	625	Petition to revive unintentionally abandoned application	
142	1,280	242	640	Utility issue fee (or reissue)	
143	420	243	210	Design issue fee	
144	660	244	330	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
126	220	126	220	Submission of Information Disclosure Stmt	
501	40	501	40	Recording each patent assignment per property (x no. properties)	
?	220	?	220	Protest after application published	
?	1500	?	1500	Late Claim for priority during pendency	
114	150	214	75	Provisional Application filing	
Other fee (specify) _____					
Other fee (specify) _____					
SUBTOTAL (3) (\$ 0)					

## SUBMITTED BY

Typed or Printed Name Dean P. Edmundson

Signature

Dean P. Edmundson

Date

5/3/01

## Complete (if applicable)

Reg. Number 25723

Deposit Account  
User ID

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: HAROLD R. KAUFMAN ET AL.

Serial No: (Attorney docket 353-07) Group No.:

Filed: On or about 5/3/01 Examiner:

For: IMPROVED HALL-CURRENT ION SOURCE

Commissioner of Patents and Trademarks

Washington, D.C. 20231

EXPRESS MAIL CERTIFICATE

"Express Mail" label number ET551169959US

Date of Deposit May 3, 2001

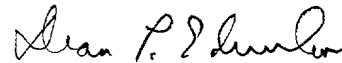
I hereby certify that the following *attached* paper or fee

Above-identified application for patent  
Declaration and Power of Attorney  
5 sheets of drawings  
Transmittal letter  
Filing fee

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231.

Dean P. Edmundson

(Typed or printed name of person mailing paper or fee)



(Signature of person mailing paper or fee)

**NOTE:** Each paper must have its own certificate and the "Express Mail" label number as a part thereof or attached thereto. When, as here, the certification is presented on a separate sheet, that sheet must (1) be signed and (2) fully identify and be securely attached to the paper or fee it accompanies. Identification should include the serial number and filing date of the application as well as the type of paper being filed, e.g. complete application, specification and drawings, responses to rejection or refusal, notice of appeal, etc. If the serial number of the application is not known, the identification should include at least the name of the inventor(s) and the title of the invention.

**NOTE:** The label number need not be placed on each page. It should, however, be placed on the first page of each separate document, such as, a new application, amendment, assignment, and transmittal letter for a fee, along with the certificate of mailing by "Express Mail." Although the label number may be on checks, such a practice is not required. In order not to deface formal drawings it is suggested that the label number be placed on the back of each formal drawing or the drawings be accompanied by a set of informal drawings on which the label number is placed.